

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Kouichi ICHIMURA et al.) Group Art Unit: Not Yet Assigned
Serial No.: Not Yet Assigned) Examiner: Not Yet Assigned
Filed: **October 2, 2003**)
For: **QUANTUM COMMUNICATION**)
APPARATUS AND QUANTUM)
COMMUNICATION METHOD)

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO-1449. With exception of the U.S. patents, a copy of the listed document is attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO-1449 and indicate that they were considered by making an appropriate notation on this form. This Information Disclosure Statement is being filed with the above-referenced application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants

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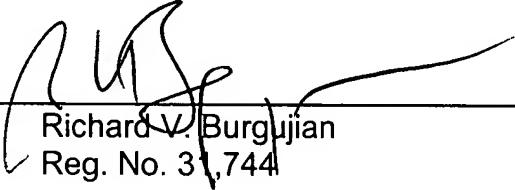
reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: October 2, 2003

By: 

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Enclosures
RVB/FPD/sci

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INFORMATION DISCLOSURE CITATION

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| Atty. Docket No. 04329.3156 | | Serial No. Not Yet Assigned | |
| Applicants Kouichi ICHIMURA et al. | | | |
| Filing Date October 2, 2003 | | Group: Not Yet Assigned | |

U.S. PATENT DOCUMENTS

| Examiner Initial* | Document Number | Issue Date | Name | Class | Sub Class | Filing Date If Appropriate |
|-------------------|-----------------|------------|-----------------|-------|-----------|----------------------------|
| | 5,898,720 | 04/27/99 | YAMAMOTO et al. | | | |
| | 5,699,374 | 12/16/97 | ICHIMURA et al. | | | |
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FOREIGN PATENT DOCUMENTS

| | Document Number | Publication Date | Country | Class | Sub Class | Translation Yes or No |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | DUAN, L. M. et al., "Long-Distance Quantum Communication With Atomic Ensembles and Linear Optics", Nature, Vol. 414, pp. 413-418, (November 22, 2001). |
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| Examiner | Date Considered |
| *Examiner: | Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |
| Form PTO 1449 | Patent and Trademark Office - U.S. Department of Commerce |